Arizona's 2006/2008 Impaired and Not Attaining Waters

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ADEQ'S 303(d) Impaired Waters

This list contains assessment units that were assessed as impaired by ADEQ during current and previous assessment listing cycles. The year each parameter was listed is located in parentheses after each parameter. The most current listings are in **bold.**

Assessment Unit	Size (acres/miles)	Cause(s) of Impairment	Category*	Status of TMDL Development
Bill Williams Watershed				
Alamo Lake 15030204-0040A	14,150 a	Ammonia (2004), High pH (1996) Low dissolved oxygen (**2006**)	5	Nutrient TMDL to be initiated in 2010.
Bill Williams River From Alamo Lake to Castaneda Wash 15030204-003	35.9 mi	Ammonia, low dissolved oxygen, and high pH (**2006**)	5	Nutrient TMDL to be initiated in 2010.
Santa Maria River From Little Sycamore Creek to Little Shipp Wash 15030203-013	6.8 mi	Mercury(d) (**2006**)	5	Alamo Lake TMDL may address mercury loadings affecting this reach. TMDL to be initiated in 2010.
Colorado – Grand Canyon Watershed				
Colorado River From Lake Powell to Paria River 14070006-001	16.3 mi	Selenium(t) (**2006**)	5	TMDL to be initiated in 2008.
Colorado River From Parashant Canyon to Diamond Creek 15010002-003	27.6 mi	Selenium(t) and suspended sediment (2004)	5	TMDL to be initiated in 2010.
Paria River From Utah border to Colorado River 14070007-123	29.4 mi	Suspended sediment (2004), *E. coli* (**2006**)	5	TMDL to be initiated in 2010.
Virgin River From Beaver Dam Wash to Big Bend Wash 15010010-003	10.1 mi	Selenium(t) and suspended sediment (2004)	5	TMDL to be initiated in 2011.
Colorado – Lower Gila Watershed				
Colorado River From Hoover Dam to Lake Mohave 15030101-015	40.4 mi	Selenium(t)	5	TMDL to be initiated in 2010.
Colorado River From Main Canal to Mexico border 15030107-001	32.2 mi	Low dissolved oxygen and selenium(t) (**2006)**	5	TMDL to be initiated in 2010.
Gila River From Coyote Wash to Fortuna Wash 15070201-003	28.3 mi	Selenium(t) and boron(t) (2004)	5	TMDL to be initiated in 2009.
Painted Rock Borrow Pit Lake 15070201-1010	185 a	Low dissolved oxygen (1992)	5	The low dissolved oxygen TMDL will be initiated when the lake refills and stabilizes.
Little Colorado Watershed				
Little Colorado River From Silver Creek to Carr Wash 15020002-004	6.1 mi	*E. coli* (2004)	5	To initiate in 2007.
Little Colorado River From Porter Tank Draw to McDonalds Wash 15020008-017	17.4 mi	Copper(d) and silver(d) (1992), suspended sediment (2004)	5	To initiate in 2007.
Middle Gila Watershed				
Alvord Lake 15060106B-0050	27 a	Ammonia (2004)	5	To initiate in 2007.
Chaparral Park Lake 15060106B-0300	12 a	Low dissolved oxygen and *E. coli* (2004)	5	To initiate in 2007.
Cortez Park Lake 15060106B-0410	2 a	Low dissolved oxygen and high pH (2004)	5	To initiate in 2007.

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Assessment Unit	Size (acres/miles)	Cause(s) of Impairment	Category*	Status of TMDL Development
Gila River From San Pedro River to Mineral Cr. 15050100-008	19.8 mi	Suspended sediment (**2006)**	5	TMDL to be initiated in 2009.
Gila River From Centennial Wash to Gillespie Dam 15070101-008	5.3 mi	Boron[(t)] (1992), selenium[(t)] (2004)	5	To be initiated in 2012.
Hassayampa River From headwaters to Copper Creek 15070103-007A *Also on Not Attaining List	11 mi	Low pH (**2006)**	5	Mine remediation actions should also address low pH.
Mineral Creek From Devil's Canyon to Gila River 15050100-012B	19.6 mi	Copper[(d)] (1992), selenium[(t)] (2004), and low dissolved oxygen **(2006)**	5	Terms of consent decree should negate need for TMDL.
Queen Creek From headwaters to mining discharge 15050100-014A	8.8 mi	Copper (2002)	5	Copper TMDL in progress. To be completed in 2009.
Queen Creek From mining WWTP discharge to Potts Canyon 15050100-014B	5.9 mi	Copper (2004)	5	Copper TMDL in progress. To be completed in 2009.
Salt Watershed				
Apache Lake 15060106A-0070	2,190 a	Low dissolved oxygen (**2006**)	5	Salt River Reservoir nutrient TMDL to be initiated in 2010.
Canyon Lake 15060106A-0250	450 a	Low dissolved oxygen (2004)	5	Salt River Reservoir nutrient TMDL to be initiated in 2010.
Christopher Creek From headwaters to Tonto Creek 15060105-353 *Also on Not Attaining List	8 mi	Phosphorus (**2006)**	5	Nutrient reduction strategies should also address phosphorus.
Five Point Tributary From headwaters to Pinto Creek 15060103-885	2.9 mi	Copper[(d)] (**2006)**	5	Loadings from this tributary should be addressed in the Pinto Creek Phase II TMDL.
Pinto Creek From West Fork Pinto Creek to Roosevelt Lake 15060103-018C *Also on Not Attaining List	17.8 mi	Selenium[(t)] (2004)	5	To be initiated in 2009.
Salt River From Pinal Creek to Roosevelt Lake 15060106A-004	7.5 mi	Suspended sediment (**2006)**	5	To be initiated in 2010.
Salt River From Stewart Mountain Dam to Verde River 15060106A-003	10.1 mi	Low dissolved oxygen (2004)	5	Salt River Reservoir nutrient TMDL to be initiated in 2010.
Tonto Creek From headwaters to 341810/1110414 15060105-013A *Also on Not Attaining List	8.1 mi	Phosphorus (**2006)**	5	Nutrient reduction strategies should reduce phosphorus loadings. TMDL will be initiated in 2010 if needed.
San Pedro Watershed				
Brewery Gulch From headwaters to Mule Gulch 15080301-337	1 mi	Copper[(d)] (2004)	5	Copper loadings from this tributary will be addressed in the Mule Creek copper TMDL.
Mule Gulch From headwaters to above Lavender Pit 15080301-090A	3 mi	Copper[(d)] (1990)	5	Ongoing TMDLs to be completed in 2009 to establish site-specific criteria for copper.

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Assessment Unit	Size (acres/miles)	Cause(s) of Impairment	Category*	Status of TMDL Development
Mule Gulch From above Lavender Pit to Bisbee WWTP discharge 15080301-090B	0.8 miles	Copper[(d)] (1990)	5	Ongoing TMDLs to be completed in 2009 to establish site-specific criteria for copper.
Mule Gulch From Bisbee WWTP discharge to Highway 80 bridge 15080301-090C	3.8 mi	Cadmium[(d)], copper[(d)(t)], low pH, zinc[(d)] (1990)	5	Ongoing TMDLs to be completed in 2009 to establish site-specific criteria for copper.
San Pedro River From Babocomari Creek to Dragoon Wash 15050202-003	17 mi	*E. coli* (2004)	5	Initiated TMDL in 2006. To complete in 2009.
San Pedro River From Dragoon Wash to Tres Alamos Wash 15050202-002	15.5 mi	Nitrate (1990)	5	Ongoing Superfund remediation and monitoring. Will initiate TMDL if WQARF cleanup is not effective.
San Pedro River From Aravaipa Creek to Gila River 15050203-001	14.8 mi	*E. coli* and selenium[(t)] (2004)	5	Initiated TMDL in 2006. To complete in 2009.
Santa Cruz Watershed				
Nogales Wash From Mexico border to Potrero Creek 15050301-011	6.2 mi	Ammonia (2004), chlorine (1996), copper[(d)] (2004), *E. coli* (1998)	5	Necessity of TMDL development will be based on outcome of current international remediation activities on infrastructure in Mexico.
Santa Cruz River From New Mexico border to Nogales Intl WWTP discharge 15050301-010	17 mi	*E. coli* (2004)	5	Will initiate TMDL when stream flow returns. (Current drought.)
Sonoita Creek From 750 feet below Patagonia WWTP discharge to Santa Cruz R. 15050301-013C	18.6 mi	Zinc[(d)] (2004), low dissolved oxygen (**2006**)	5	To initiate in 2006 and complete in 2009.
Upper Gila Watershed				
Blue River From Strayhorse Creek to San Francisco River 15040004-025B	25.4 mi	*E. coli* (**2006**)	5	To initiate in 2009.
Cave Creek From headwaters to South Fork Cave Creek 15040006-852A	7.5 mi	Selenium[(t)] (2004)	5	Initiated TMDL in 2006. To complete in 2009.
Gila River From New Mexico border to Bitter Cr 15040002-004	16.3 mi	*E. coli* and suspended sediment (**2006)**	5	Initiated TMDL in 2006. To complete in 2009.
Gila River From Bonita Creek to Yuma Wash 15040005-022	5.8 mi	*E. coli* (2004)	5	Initiated TMDL in 2006. To complete in 2009.
Gila River From Skully Creek to San Francisco River 15040002-001	15.2 mi	Selenium[(t)] (2004)	5	Initiated TMDL in 2006. To complete in 2009.
San Francisco River From Blue River to Limestone Gulch 15040004-003	18.7 mi	*E. coli* (**2006)**	5	To initiate TMDL in 2009. To complete in 2011.
Verde Watershed				
East Verde River From American Gulch to Verde River 15060203-022C	25.8 mi	Arsenic[(t)] and boron[(t)] (**2006)**	5	To initiate TMDL in 2009. To complete in 2011.
East Verde River From Ellison Creek to American Gulch 15060203-022B	20.3 mi	Selenium[(t)] (2004)	5	To initiate TMDL in 2011.
Oak Creek From headwaters to West Fork Oak Creek	7.4 mi	*E. coli* (**2006**)	5	Initiated Phase II bacteria TMDL in 2004. To complete in 2009.

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Assessment Unit	Size (acres/miles)	Cause(s) of Impairment	Category*	Status of TMDL Development
15060202-019				
Oak Creek From West Fork Oak Creek to tributary at 345709/1114513 15060202-018A	5 mi	*E. coli* (**2006**)	5	Initiated Phase II bacteria TMDL in 2004. To complete in 2009.
Oak Creek From tributary at 345709/1114513 to downstream boundary of Slide Rock State Park 15060202-018B	1 mi	*E. coli* (1992)	5	Initiated Phase II bacteria TMDL in 2004. To complete in 2009.
Oak Creek From Slide Rock State Park to Dry Creek 15060202-018C	20 mi	*E. coli* (**2006**)	5	Initiated Phase II bacteria TMDL in 2004. To complete in 2009.
Oak Creek From Dry Creek to Spring Creek 15060202-017	10 mi	*E. coli* (**2006**)	5	Initiated Phase II bacteria TMDL in 2004. To complete in 2009.
Spring Creek From Coffee Creek to Oak Creek 15060202-022	6.4 mi	*E. coli* (**2006**)	5	To address bacteria loading from this tributary in the Oak Creek Phase II bacteria TMDL.

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EPA'S 303(d) IMPAIRED WATERS

These assessment units were assessed as impaired by EPA and will remain on Arizona's list of impaired waters until EPA determines that they are no longer impaired or a TMDL is approved.

Assessment Unit	Size (acres/miles)	Cause(s) of Impairment	Status of TMDL Development
Bill Williams Watershed			
Alamo Lake 15030204-0040	14,150 a	Mercury in fish tissue (2002)	Initiated in 2004. To complete in 2009.
Boulder Creek From unnamed wash at 34°41'14"/113°03'34" to Wilder Creek 15030202-006B	14.4 mi	Mercury[(d)] (2004)	Initiate in 2011. Complete in 2013.
Boulder Creek From Wilder Creek to Butte Creek 15030202-005A	1.4 mi	Mercury[(d)] (2004)	Initiate in 2011. Complete in 2013.
Burro Creek From Boulder Creek to Black Canyon Creek 15030202-004	17.2 mi	Mercury[(d)] (2004)	Initiate in 2011. Complete in 2013.
Coors Lake 15030202-5000	230 a	Mercury in fish tissue (2004)	Initiate in 2011. Complete in 2013.
Colorado - Grand Canyon Watershed			
There are no listings of this type for this watershed. See other lists.			
Colorado – Lower Gila Watershed			
Painted Rock Borrow Pit Lake 15070201-1010	180 a	DDT metabolites, toxaphene and chlordane in fish tissue (2002)	Initiate in 2009. To complete in 2011.
Little Colorado – San Juan Watershed			
Bear Canyon Lake 15020008-0130	55 a	High pH (2004)	Initiate in 2009.
Lake Mary (lower) 15020015-0890		Mercury in fish tissue (2002)	Initiated in 2003. To complete in 2009.
Lake Mary (upper) 15020015-0900		Mercury in fish tissue (2002)	Initiated in 2003. To complete in 2009.
Little Colorado River From Silver Creek to Carr Wash 15020002-004	6 mi	Suspended sediment (2004)	Initiated in 2007. To complete in 2009.
Long Lake (lower) 15020008-0820		Mercury in fish tissue (2002)	Initiated in 2003. To complete in 2009.
Lyman Lake 15020001-0850	1308 a	Mercury in fish tissue (2002)	Initiated in 2008.
Soldier's Annex Lake 15020008-1430		Mercury in fish tissue (2002)	Initiated in 2003. To complete in 2009.
Soldier's Lake 15020008-1440		Mercury in fish tissue (2002)	Initiated in 2003. To complete in 2009.
Middle Gila Watershed			
Gila River Salt River - Agua Fria River 15070101-015		DDT metabolites, toxaphene and chlordane in fish tissue (2002)	Initiate in 2009. To complete in 2011.
Gila River Agua Fria River - Waterman Wash 15070101-014		DDT metabolites, toxaphene and chlordane in fish tissue (2002)	Initiate in 2009. To complete in 2011.
Gila River Waterman Wash - Hassayampa River 15070101-010		DDT metabolites, toxaphene and chlordane in fish tissue (2002)	Initiate in 2009. To complete in 2011.
Gila River Hassayampa River - Centennial Wash 15070101-009		DDT metabolites, toxaphene and chlordane in fish tissue (2002)	Initiate in 2009. To complete in 2011.

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Assessment Unit	Size (acres/miles)	Cause(s) of Impairment	Status of TMDL Development
Gila River Centennial Wash - Gillespie Dam 15070101-008		DDT metabolites, toxaphene and chlordane in fish tissue (2002)	Initiate in 2009. To complete in 2011.
Gila River Gillespie Dam - Rainbow Wash 15070101-007		DDT metabolites, toxaphene and chlordane in fish tissue (2002)	Initiate in 2009. To complete in 2011.
Gila River Rainbow Wash - Sand Tank 15070101-005		DDT metabolites, toxaphene and chlordane in fish tissue (2002)	Initiate in 2009. To complete in 2011.
Gila River Sand Tank - Painted Rocks Reservoir 15070101-001		DDT metabolites, toxaphene and chlordane in fish tissue (2002)	Initiate in 2009. To complete in 2011.
Hassayampa River Buckeye Canal – Gila River 15070103-001B		DDT metabolites, toxaphene and chlordane in fish tissue (2002)	Initiate in 2009. To complete in 2011.
Painted Rocks Reservoir 15070101-1020A		DDT metabolites, toxaphene and chlordane in fish tissue (2002)	Initiate in 2009. To complete in 2011.
Salt River 23rd Ave WWTP - Gila River 15060106B-001D		DDT metabolites, toxaphene and chlordane in fish tissue (2002)	Initiate in 2009. To complete in 2011.
Salt River Watershed			
Crescent Lake 15060101-0420	157 a	High pH (2002)	Initiate in 2010. To complete in 2012.
Tonto Creek From headwaters to unnamed tributary 15060105-013A	8.1 mi	Low dissolved oxygen (2004)	Initiate in 2010. To complete in 2012.
San Pedro – Willcox Playa – Rio Yaqui Watershed			
Brewery Gulch From headwaters to Mule Gulch 15080301-337	1 mi	Copper(d) (2004)	Copper loadings from this tributary will be addressed in the Mule Creek copper TMDL.
Mule Gulch From above Lavender Pit to Bisbee WWTP 15080301-090B	0.8 mi	Low pH (2002)	Initiated in 2000. Complete TMDL after site specific criteria are established (2009).
Santa Cruz – Rio Magdalena – Rio Sonoyta Watershed			
Parker Canyon Lake 15050301-1040	130 a	Mercury in fish tissue (2004)	Initiated in 2006. To complete in 2009.
Rose Canyon Lake 15050302-1260	7 a	Low pH (2004)	Initiate in 2009. To complete in 2011.
Upper Gila Watershed			
Cave Creek From headwaters to South Fork of Cave Creek 15040006-852A	8 mi	Selenium(t) (2004)	Initiated in 2006. To complete in 2009.
Gila River From Bonita Creek to Yuma Wash 15040005-022	6 mi	Sediment (2004)	Initiated in 2006. To complete in 2009.
San Francisco River From headwaters to New Mexico Border 15040004-023	13.1 mi	Sediment (2004)	Initiate in 2009. To complete in 2011.
Verde Watershed			
Granite Creek From headwaters to Willow Creek 15060202-059A	13 mi	Low dissolved oxygen (2004)	Initiate in 2010. To complete in 2012.
Watson Lake 15060202-1590	150 a	Nitrogen, low dissolved oxygen, high pH (2004)	Initiate in 2008. To complete in 2010.
Whitehorse Lake 15060202-1630	40 a	Low dissolved oxygen (2004)	Initiate in 2010. To complete in 2012.

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*Assessment Categories:

Category 5 – Impaired surface waters where a Total Maximum Daily Load (TMDL) analysis is required.

Category 4 – At least one designated use is impaired or threatened but development of a TMDL is not needed (at this time). Note that these assessment units are considered impaired under permit requirements. Three subcategories exist in Arizona:

4A – The TMDL has been completed, is being implemented, and appears to be sufficient;
4B – Alternative pollution control requirements or actions are expected to result in the attainment of water quality standards;
4C – The impairment is caused by pollution but not a pollutant; or
4N – Impairment is caused *solely* due to natural conditions (no human contribution).

(Further information is provided in the *Surface Water Assessment Methods and Technical Support* document.)